

### Amendment to the Claims

This listing of claims will replace all prior versions and listings of claims in the above-referenced application.

#### Listing of Claims:

1. (cancelled).
2. (Currently amended) The method of claim [[1]] 10, further comprising culturing the cells until they synthesize a desired amount of extracellular matrix.
3. (Cancelled)
4. (Currently amended) The method of claim [[1]] 10, wherein the matrix comprises a member of a synthetic or a non-synthetic material.
5. (Previously presented) The method of claim 4, wherein the matrix comprises a member of poly(glycolic acid), collagen-glycosaminoglycan, collagen, poly(lactic acid), poly(lactic-co-glycolic acid), poly(anhydride), poly(hydroxy acid), poly(orthoester), poly(propylfumerate), polysaccharide, polypyrrole, polyaniline, polythiophene, polystyrene, polyester, polyurethane, polyurea, poly(ethylene vinyl acetate), polypropylene, polymethacrylate, polyethylene, poly(ethylene oxide), poly(carbonate), and any combination thereof.
6. (Original) The method of claim 5, wherein the synthetic matrix comprises poly(glycolic acid).
7. (Currently amended) The method of claim [[1]] 10, wherein the cells are human cells.